



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q94181

Takeyuki SUGIURA

Appln. No.: 10/573,969

Group Art Unit: Not yet assigned

Confirmation No.: Not yet assigned

Examiner: Not yet assigned

Filed: March 30, 2006

For: TETRAHYDROFOLATE SYNTHETASE GENE

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

MAIL STOP AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, along with a copy of the corresponding Communication from a Foreign Patent Office, except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action

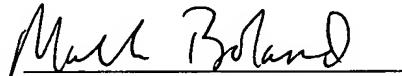
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
U.S. Appln. No.: 10/573,969

on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,


Mark Boland
Mark Boland
Registration No. 32,197

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

WASHINGTON OFFICE
23373
CUSTOMER NUMBER

Date: July 25, 2006

Substitute for Form 1449 A & B/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/573,969
				Confirmation Number	Not yet assigned
				Filing Date	March 30, 2006
				First Named Inventor	Takeyuki SUGIURA
				Art Unit	Not yet assigned
				Examiner Name	Not yet assigned
Sheet	1	of	4	Attorney Docket Number	Q94181

JUL 25 2006
U.S. PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
	US				

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)		
	WO	02/083873	A2	10/24/2002		English

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.			Translation ⁶
		Dean W. Hum et al., "Primary Structure of a Human Trifunctional Enzyme" (1988), The Journal of Biological Chemistry, Vol. 263, No. 31, pp. 15946-15950			
		Chuck Staben et al., "Nucleotide Sequence of the <i>Saccharomyces cerevisiae</i> ADE3 Gene Encoding C ₁ -Tetrahydrofolate Synthase" (1986), The Journal of Biological Chemistry, Vol. 261, No. 10, pp. 4629-4637			
		Karen W. Shannon et al., "Purification and Characterization of a Mitochondrial Isozyme of C ₁ -Tetrahydrofolate Synthase from <i>Saccharomyces cerevisiae</i> " (1986), The Journal of Biological Chemistry, Inc., Vol. 261, No. 26, pp 12266-12271			
		Anice E. Thigpen et al., "Rat C ₁ -Tetrahydrofolate Synthase" (1990), The Journal of Biological Chemistry, Vol. 265, No. 14, pp. 7907-7913			
		Inderjit K. Dev et al., "A Complex of N ⁵ ,N ¹⁰ -Methylenetetrahydrofolate Dehydrogenase and N ⁵ ,N ¹⁰ -Methenyltetrahydrofolate Cyclohydrolase in <i>Escherichia coli</i> " (1978), The Journal of Biological Chemistry, Vol. 253, No. 12, pp. 4245-4253			
		S.K. Raj et al., "Reverse Transcription-Polymerase Chain Reaction (RT-PCR) for Direct Detection of Cucumber Mosaic Virus (CMV) in Gladiolus" (1998), Biochemistry and Molecular Biology International, pp. 89-95			

Examiner Signature		Date Considered
--------------------	--	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.

Substitute for Form 1449 A & B/PTO				<i>Complete if Known</i>	
<u>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</u>				Application Number	10/573,969
				Confirmation Number	Not yet assigned
				Filing Date	March 30, 2006
				First Named Inventor	Takeyuki SUGIURA
				Art Unit	Not yet assigned
				Examiner Name	Not yet assigned
Sheet	2	of	4	Attorney Docket Number	Q94181

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		Michael A. Frohman et al., "Rapid production of full-length cDNAs from rare transcripts: Amplification using a single gene-specific oligonucleotide primer" (1988), Proc. Natl. Acad. Sci., Vol. 85, pp. 8998-9002	
		F. Sanger et al., "DNA sequencing with chain-terminating inhibitors" (1977), Proc. Natl. Acad. Sci., Vol. 74, No. 12, pp. 5463-5467	
		Allan M. Maxam et al., "Sequencing End-Labeled DNA with Base-Specific Chemical Cleavages" (1977), Methods in Enzymology, Vol. 65, pp. 499-560	
		Manual G. Claros et al., "Computational method to predict mitochondrialy imported proteins and their targeting sequences" (1996), Eur. J. Biochem., Vol. 241, pp. 779-786	
		Paul J. Kim et al., "Survivin and molecular pathogenesis of colorectal cancer" (2003), The Lancet, Vol. 362, pp. 205-209	
		Rachel H. Giles et al., "Caught up in a Wnt Storm: Wnt signaling in cancer" (2003), Biochimica et Biophysica Acta 1653, pp. 1-24	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.

Substitute for Form 1449 A & B/PTO				<i>Complete if Known</i>	
<u>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</u>				Application Number	10/573,969
				Confirmation Number	Not yet assigned
				Filing Date	March 30, 2006
				First Named Inventor	Takeyuki SUGIURA
				Art Unit	Not yet assigned
				Examiner Name	Not yet assigned
Sheet	3	of	4	Attorney Docket Number	Q94181

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		Tong-Chuan He et al., "Identification of c-MYC as a Target of the APC Pathway" (1998), Science, Vol. 281, pp. 1509-1512	
		David L. Levens, "Reconstructing MYC" (2003), Genes & Development, pp. 1071-1077	
		Timothy A. Garrow et al., "Cloning of Human cDNAs Encoding Mitochondrial and Cytosolic Serine Hydroxymethyltransferases and Chromosomal Localization" (1993), The Journal of Biological Chemistry, Vol. 268, No. 16, pp. 11910-11916	
		Mikhail A. Nikiforov et al., "A Functional Screen for Myc-Responsive Genes Reveals Serine Hydroxymethyltransferase, a Major Source of the One-Carbon Unit for Cell Metabolism" (2002), Vol. 22, No. 16, pp. 5793-5800	
		Sean V. Tavtigian et al., "Cloning of Mid-G ₁ Serum Response Genes and Identification of a Subset Regulated by Conditional myc Expression" (1994), Molecular Biology of the Cell, Vol. 5, pp. 375-388	
		Enrique Villar et al., "C ₁ -Tetrahydrofolate Synthase from Rabbit Liver" (1985), The Journal of Biological Chemistry, Vol. 260, No. 4, pp. 2245-2252	

Examiner Signature _____ **Date Considered** _____

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.

Substitute for Form 1449 A & B/PTO				<i>Complete if Known</i>	
<u>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</u>				Application Number	10/573,969
				Confirmation Number	Not yet assigned
				Filing Date	March 30, 2006
				First Named Inventor	Takeyuki SUGIURA
				Art Unit	Not yet assigned
				Examiner Name	Not yet assigned
Sheet	4	of	4	Attorney Docket Number	Q94181

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		Priya Prasannan et al., "Human Mitochondrial C ₁ -Tetrahydrofolate Synthase" (2003), The Journal of Biological Chemistry, Vol. 278, No. 44, pp. 43178-43187	
		Takeyuki Sugiura et al., "A novel mitochondrial C ₁ -tetrahydrofolate synthetase is upregulated in human colon adenocarcinoma" (2004), Biochemical and Biophysical Research Communications, Vol. 315, pp. 204-211	
		International Search Report dated November 16, 2004	

Examiner Signature _____ **Date Considered** _____

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.